

Converting Colors

Hex(5170BE)

Have a look what the booklet for
Hex(5170BE) contains.

Hex(5170BE)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(5170BE)

Conversions

Conversions Part 1

Format	Color
Hex	5170BE
RGB	81, 112, 190
RGB Percent	32%, 44%, 75%
CMY	0.6824, 0.5608, 0.2549
CMYK	0.57, 0.41, 0.00, 0.25
HSL	223°, 46%, 53%
HSV	223°, 57%, 75%
XYZ	18.4818, 17.0554, 51.0331
YIQ	111.6230, -43.5140, 17.6860

Conversions

Conversions Part 2

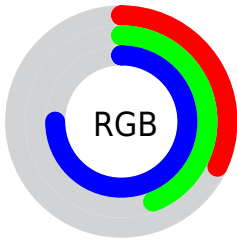
Format	Color
R_{YB}	81, 105, 190
Decimal	5337278
CIE _{Lab}	48.33, 12.39, -44.44
CIE _{LCh}	48, 46.137, 285.575
Yxy	17.0554, 0.2135, 0.1970
Android (android.graphics.Color)	4283527358 (0xFF5170BE)
YUV	111.6230, 38.6399, -26.8564
Hunter-Lab	41.2982, 7.6106, -44.3574

Details

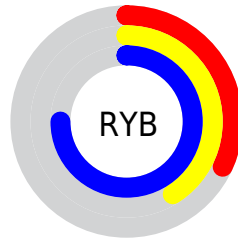
The Hex color **5170BE** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **BE9F51**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **8AA3F7**, and **064188** is the 20% darker color. If you saturate the color by 10%, you get **3E62BE**, and if you desaturate by 10%, it is **647EBE**.

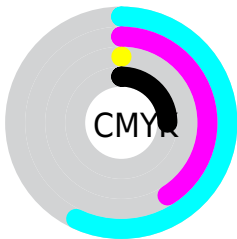
Distribution



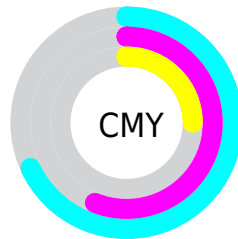
- Red (32%)
- Green (44%)
- Blue (75%)



- Red (32%)
- Yellow (41%)
- Blue (75%)



- Cyan (57%)
- Magenta (41%)
- Yellow (0%)
- Black (25%)



- Cyan (68%)
- Magenta (56%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5170BE changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 5170BE by changing the saturation by 10% instead.

■ 5170BE

■ 5170BE

FFFFFF

■ 3358A3

■ 8AA3F7

■ 064188

■ A6BEFF

■ 002B6E

■ C3DAFF

■ 001855

■ E0F6FF

■ 00023E

FEFFFF

■ 000327

■ 000110

■ 000000

■ 5170BE

■ 5170BE

■ 3E62BE

■ 647EBE

■ 2B55BE

■ 778BBE

■ 1847BE

■ 8A99BE

■ 053ABE

■ 9DA6BE

■ 0036BE

■ B0B4BE

■ C3C2BE

■ D6CFBE

■ E9DDBE

■ FCEABE

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



007CBE



5170BE



8F60AA

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



5170BE



B05B3D



00855E

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



5170BE



BE9F51

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



488039



5170BE



976A23

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



5170BE



BA5060



747721



008686

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



5170BE



A85694



747721



128351

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



5170BE



CDD9F7



51BE9D



646B7D



FCFCFC



7D7D7D

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



5170BE



4D7DF7



6751BE



55585E



002D9E



00091F

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



BE5170



F74D7D



A8BE51



5E5558



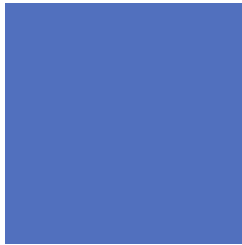
9E002D



1F0009

Previews

White Background



This preview shows how the Hex color 5170BE looks on a white background.

Color Contrast Check

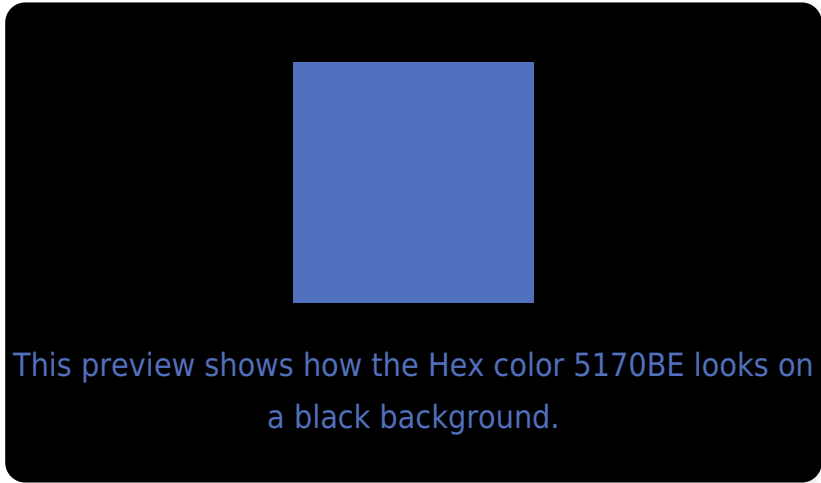
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

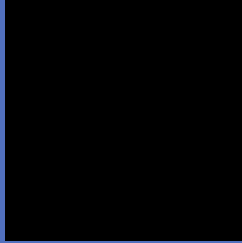
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 5170BE Background



This preview shows how black text looks on a background with the Hex color 5170BE.



This preview shows how white text looks on a background with the Hex color 5170BE.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
5170BE

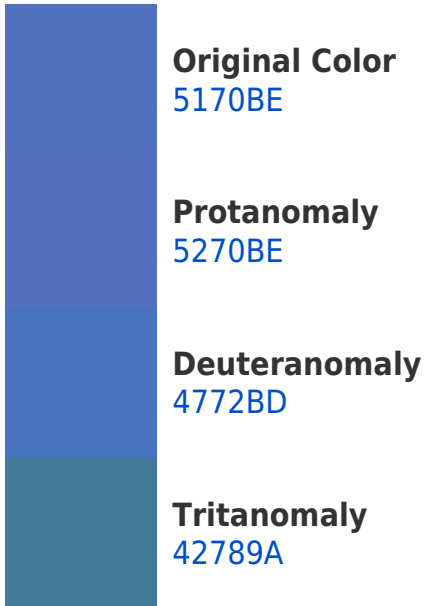
Protanopia
5270BE

Deuteranopia
4173BD

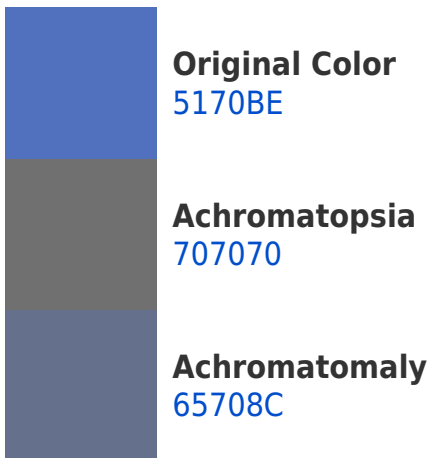


Tritanopia
3A7C86

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 5170BE is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #5170BE looks like.

```
.text, #text, p{  
    color:#5170BE  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #5170BE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5170BE
}
```

Border

The CSS property to change the border of an element to Hex 5170BE is called "border". The border property can be set on classes, ids or directly on the HTML element.

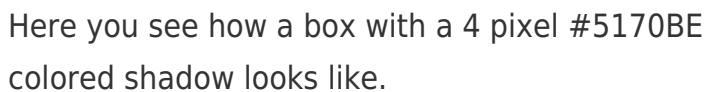
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5170BE }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#5170BE }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #5170BE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5170BE; -webkit-box-shadow:4px 4px  
4px 4px #5170BE; box-shadow:4px 4px 4px  
4px #5170BE }
```

Background

The CSS property to change the background color of an element to Hex 5170BE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5170BE }
```

If only the background color should be changed can be used:

```
.background{ background-color:#5170BE }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor